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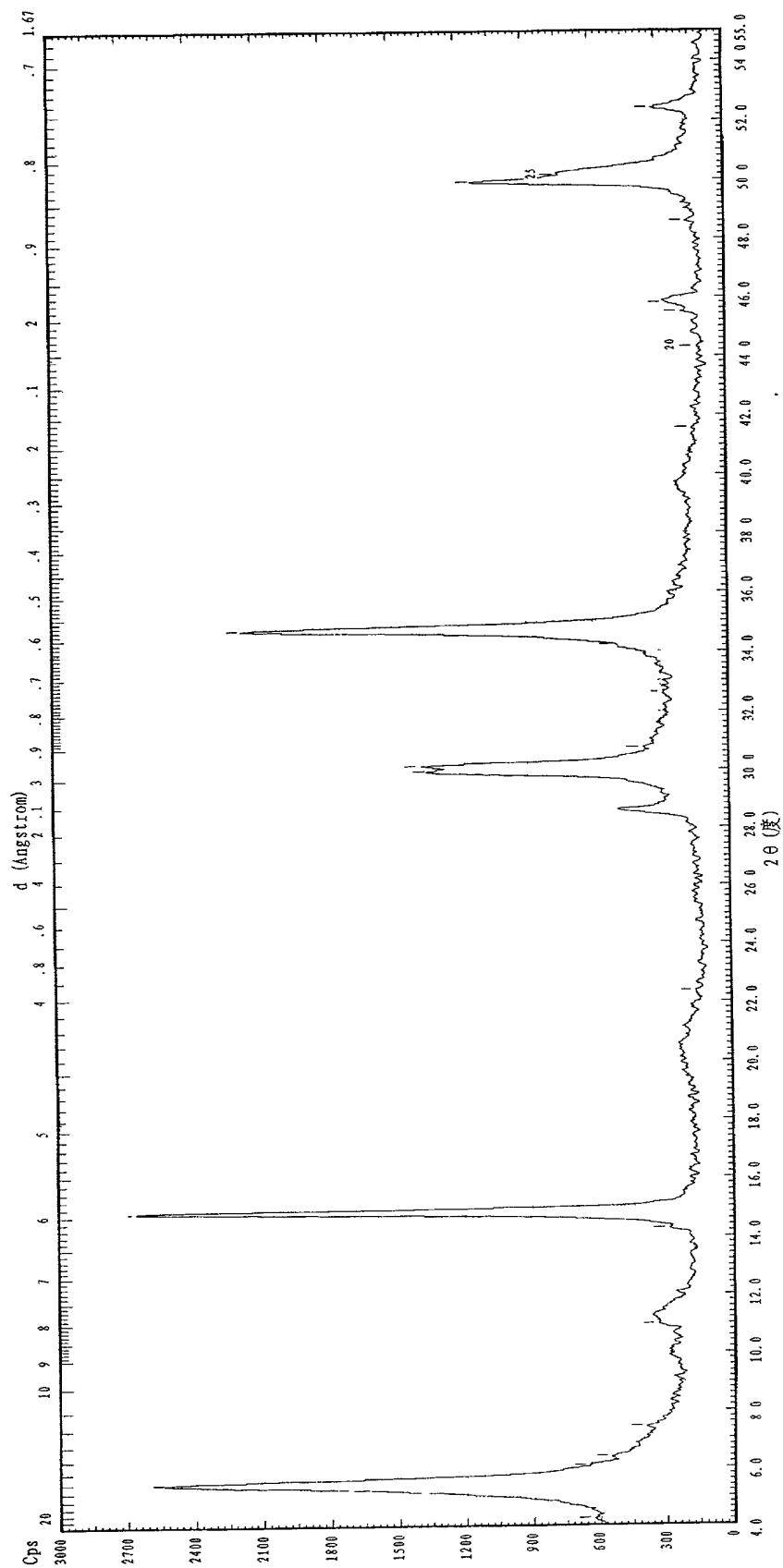


Figure 1

The figure is an X-ray diffraction (XRD) pattern for polypropylene. The y-axis represents intensity in counts per second (Cps), ranging from 0 to 4000. The bottom x-axis shows the diffraction angle  $2\theta$  in degrees, ranging from 4.0 to 54.0. The top x-axis shows the corresponding d-spacing in Angstroms, ranging from 20 to 1.67. The pattern exhibits a broad amorphous halo centered at approximately  $2\theta = 20^\circ$  and several sharp crystalline peaks. Key peaks are observed at  $2\theta$  values of approximately 5.0, 14.0, 16.0, 28.0, 30.0, 34.0, 36.0, 50.0, and 54.0 degrees. The peak at 14.0 degrees is the most intense, reaching nearly 3200 Cps.

Figure 2